



KEYED NOTES:

- 1 INSTALL BALANCING VALVE WITH MINIMUM OF 3 STRAIGHT PIPE DIAMETERS UPSTREAM AND 1 STRAIGHT PIPE DIAMETER DOWNSTREAM.
- 2 MAINTAIN 6" MINIMUM CLEARANCE ABOVE TEST PLUG TO ALLOW GAUGE TO BE INSERTED. DO NOT COVER PLUG WITH INSULATION.
- 3 INSTALL SWING JOINTS AT COIL CONNECTIONS.
- 4 CONNECT BRANCH LINES FROM COIL INTO TOP OR SIDE OF SUPPLY AND RETURN MAINS. CONNECTING INTO BOTTOM OF MAIN IS NOT ACCEPTABLE.
- 5 INSTALL MANUAL AIR VENTS IN SUPPLY AND RETURN COIL BRANCH PIPING AS FOLLOWS:
A) IN PIPING HIGH POINT WHEN PIPING IS ABOVE MAIN.
B) CLOSE TO COIL WHEN PIPING IS NOT ABOVE MAIN (SIDE CONNECTION).
- 6 INSTALL COIL SO AIR PASSES THROUGH FINS IN PROPER DIRECTION NOTED ON COIL.

HOT WATER COIL PIPING DETAIL

(ON/OFF FLOW THROUGH COIL, FAIL TO FULL HEAT)

SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. SEE SHEET 9 FOR PNEUMATIC CONTROL DIAGRAM.
2. SEE SHEET 11 FOR DESIGN NOTES.
3. APPLICATION: OUTSIDE AIR PREHEAT COIL (MODULATING FACE & BYPASS).

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACK-AGE).

1	6-14-03	U	REVISED TO COMPLY WITH DRAFTING MANUAL. ADDED STRAINER & KEYED NOTE 6. REVISED CONTROL VALVE & DWG NO. WAS ST6121.	RP	AB	JM	GG	TO
NO	DATE	CLASS	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
FACILITY & WASTE OPERATIONS DESIGN ENGINEERING CONSTRUCTION SERVICES				ENGINEERING STANDARDS MANUAL TITLE CONT				
HOT WATER COIL PIPING DETAIL ON/OFF FLOW, FAIL TO FULL HEAT				DRAWN: R. PEARSON DESIGN: A. BRIDGE CHECKED: G. GREWAL DATE: 6-28-99				
BLDG X SUBMITTED: DISCIPLINE: POC: GURINDER GREWAL				TA-X APPROVED FOR RELEASE: STANDARDS MANAGER: TOBIN ORUCH				
P.O. Box 1663 Los Alamos, New Mexico 87545				SHEET: 7 OF 11				
CLASSIFICATION: U PROJECT ID: CHAPTER 6				REVIEWER: LARRY BAYS DATE: ST-D30GEN-2				
DRAWING NO:				REV: 1				